

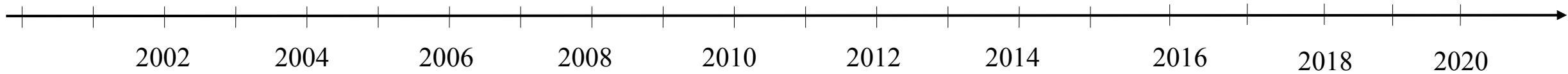
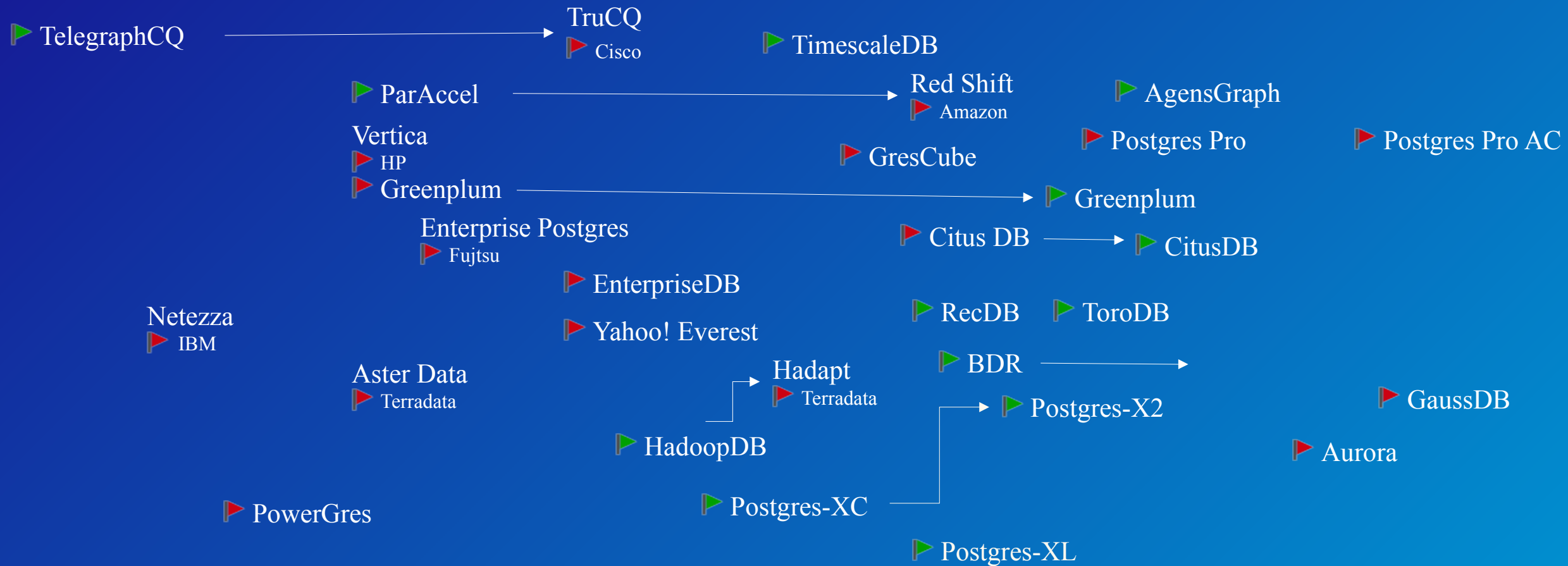
Postgres Pro News and Roadmap



Ivan Panchenko
Cofounder
Postgres Professional

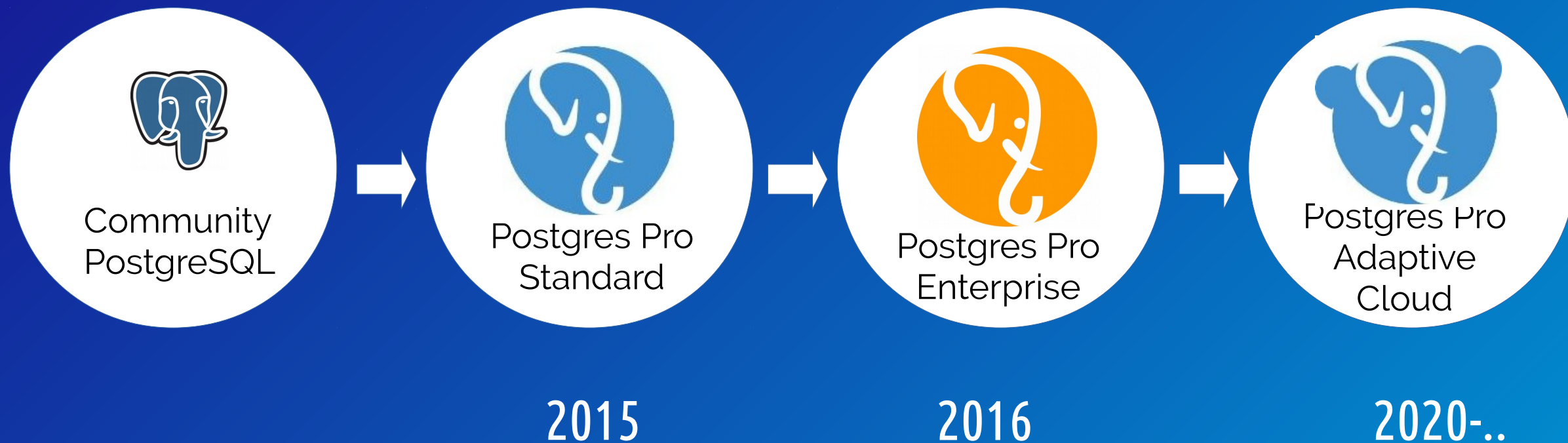
PGConf.
Online
2021

PostgreSQL and its forks



▶ Commercial
 ▶ Open source

Brief Postgres Pro History



Postgres Pro Standard features

- 1C:Enterprise platform support
- Packaged full text search dictionaries
- Packaged extensions: pg_trgm, dump_stat, jsquery, fasttrun, plantuner, online_analyze, pageinspect, shared_isspell

New Postgres Pro Standard features

New! • PTrack : block change tracking for incremental backup with pg_probackup

New! • pgpro_stats &
• pgpro_pwr extensions : advanced statistics and workload analysis

Postgres Pro Enterprise features

- 64-bit XID
- Multimaster : symmetric fail safe synchronous cluster
- Block level data compression
- Internal optimizations
- Autoprepare : shared prepared statements cache
- New!** • Built-in connection pooler
- New!** • Machine learning based Adaptive Query Optimization (AQO)
- New!** • Seamless minor updates

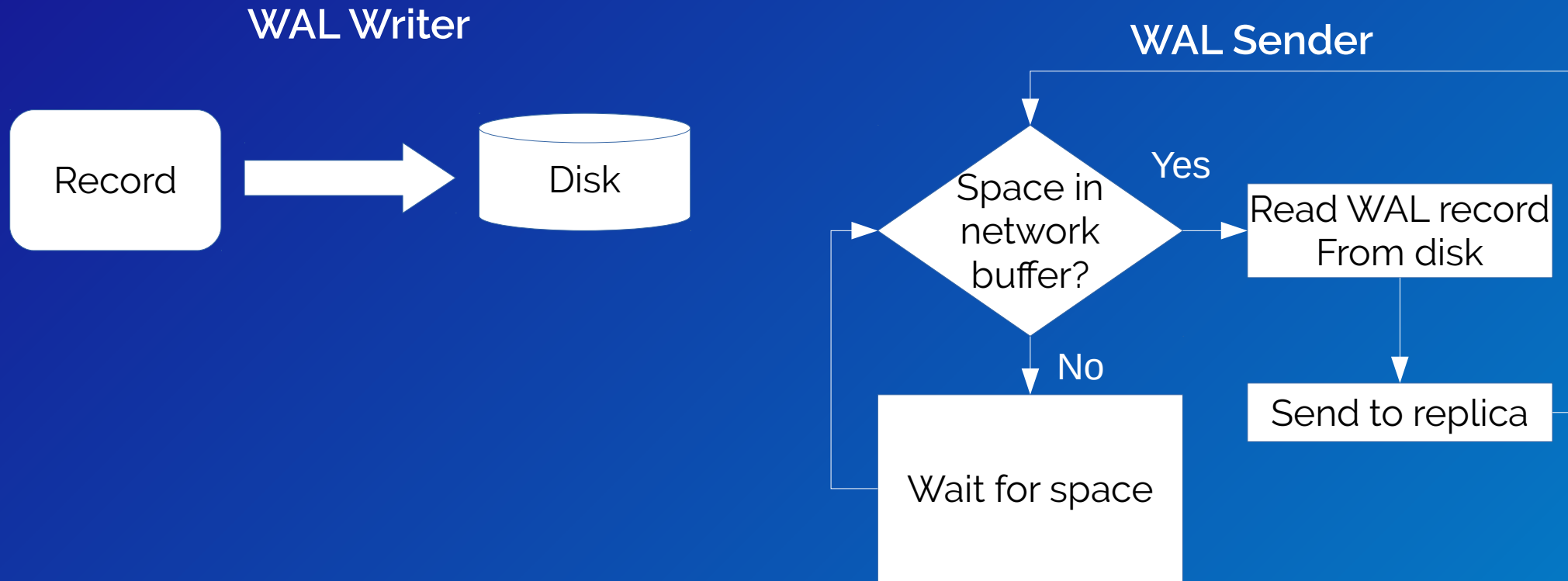
Postgres Pro Roadmap (2021)

- Sharding
- Replica catchup
- pg_probackup S3 storage
- WAL circular buffer
- Adaptive Query Optimization
- JSON performance improvements
- SQL/JSON:2016 Full Support (JSON TABLE)
- TDE (in cooperation with a tech partner)
- Kubernetes setup

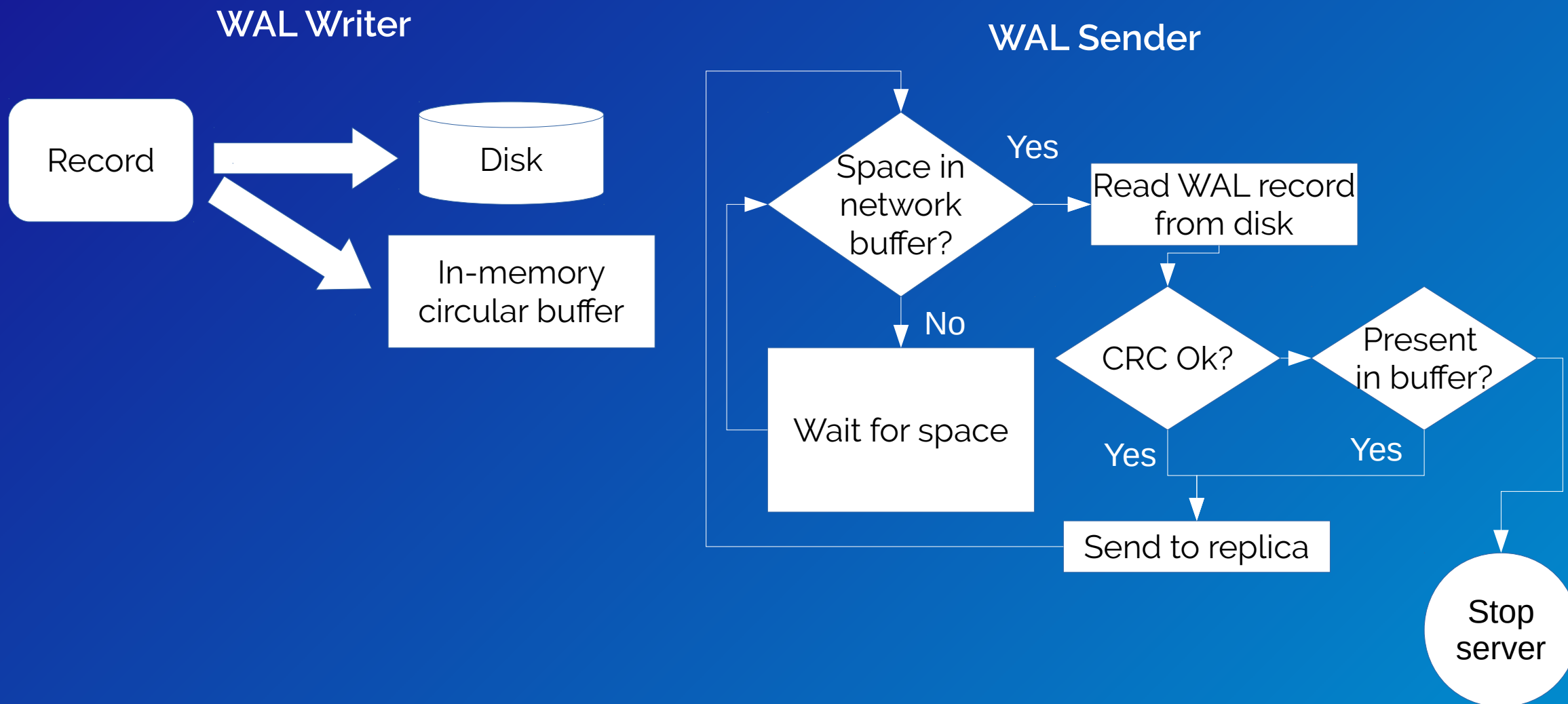
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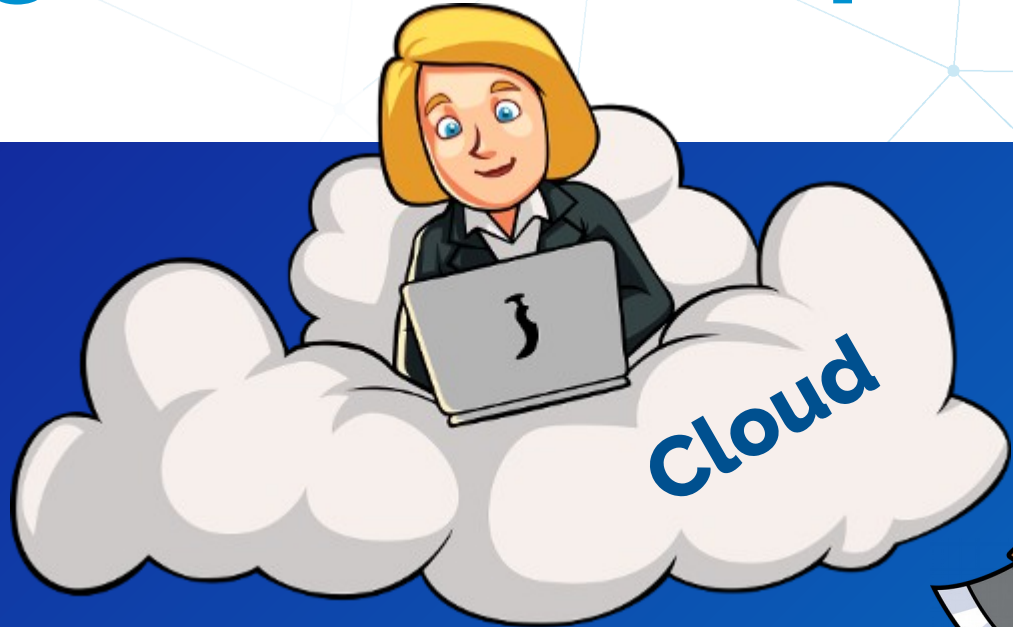
Circular WAL buffer



Circular WAL buffer



Long term roadmap



ASK POSTGRES PRO!

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